DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-003225
Date Inspected: 27-Apr-2011

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Changxing Dao, Shangha

Quality Control Contact: Don Walton
Material transfer: ☐ Yes ☐ No ☑ N/A
Stock Transfer: ☐ Yes ☐ No ☑ N/A
Rebar Test Witness: ☐ Yes ☐ No ☑ N/A
Other: Coatings Inspection

Quality Control Present: ☑ Yes ☐ No
Sampled Items: ☐ Yes ☐ No ☑ N/A
OK to Cut: ☐ Yes ☐ No ☑ N/A
Delayed/Cancelled: ☐ Yes ☑ No ☐ N/A

Bridge No: 34-0006
Bid Item: 77,78,79

Component: Sub-Assemblies (OBG) and Sub-Assemblies (
Lot No:

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

Bike Path Panels BK4A-063and BK8A-002, NOI Number 6350: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Bike Path Panels BK4A-063and BK8A-002 for dry film thickness (DFT) and final VT compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Cross Beam 17 Internal Ceiling, NOI Number 6352: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Cross Beam 17 Internal Ceiling for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to holidays, dry spray and DFT readings out of specification requirements.

Cross Beam 17 Internal Ceiling, NOI Number 6353: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Cross Beam 17 Internal Ceiling for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to holidays, dry spray and DFT readings out of specification requirements.

Cross Beam 17 External Surfaces, NOI Number 6353: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Cross Beam 17 External Surfaces were tested in accordance with SSPC-SP 1 (Surface Cleanliness), SSPC-PA 2 Dry Film Thickness (DFT) and ASTM D4752 (MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub). All test results were acceptable and within desired limits with x3 MEK @ grade 5 and x1 soluble salts recorded reading of 10.4 (µs/cm). No discrepancies noted ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barrier Cover Plates External (36 Each), NOI Number 6356: In preparation for finish coat Interfine 979 Polysiloxane installation and in accordance with project specifications and SSPC-SP 1, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Crash Barrier Cover Plates External (36 Each). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Galvanized Traveler Rails (8 Each), NOI Number 6357: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Galvanized Traveler Rails (8 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (2 Each), L-Splices X3744A (39 Each), X3744B (39 Each) and Suspender Bracket Top Closures (4 Each), NOI Number 6356: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Crash Barriers (2 Each), L-Splices X3744A (39 Each), X3744B (39 Each) and Suspender Bracket Top Closures (4 Each). Test results recorded x3 surface profile readings in the range of 71 to 84 µm. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Suspender Bracket SB108E, Lamp Brackets LB3100, LB3001 (Including 12 Tube Pieces and 3 Door Pieces), Bike Path Panel BK8A-001, Splices SEG3014 (175 Each) and SEG3015 (362 Each), NOI Number 6360: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Suspender Bracket SB108E, Lamp Brackets LB3100, LB3001 (Including 12 Tube Pieces and 3 Door Pieces), Bike Path Panel BK8A-001, Splices SEG3014 (175 Each) and SEG3015 (362 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Cross Beam 17 Internal Ceiling, NOI Number 6361: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Cross Beam 17 Internal Ceiling for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to holidays, dry spray and DFT readings out of specification requirements.

Sub-Assemblies (Tower)

Skirt Plate Damaged Area Re-Blast SSD1-A131 and NSD1-A802, NOI Number T2058: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC

SOURCE INSPECTION REPORT

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Quality Assurance/Control representatives observed the surface preparation on Skirt Plate Damaged Area Re-Blast SSD1-A131 and NSD1-A802. Test results recorded x3 surface profile reading of 70 to 82 µm. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Skirt Plate Damaged Area Re-Blast ND1-A713, ED1-A149, ESD1-A61-1 and ESD1-A61-2, NOI Number T2059: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Skirt Plate Damaged Area Re-Blast SSD1-A131 and NSD1-A802. Test results recorded x3 surface profile reading of 74 to 80 µm. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Office

This Quality Assurance Inspector (QA) reviewed, recorded and entered data from notice of inspection requests for the purpose of tracking and compliance to contract documents.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer